

ORIGINAL



Florida Power

A Progress Energy Company

JAMES A. MCGEE
ASSOCIATE GENERAL COUNSEL

June 27, 2002

Ms. Blanca S. Bayó, Director
Division of the Commission Clerk
and Administrative Services
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

REC'D - JUN 27 11:56 AM '02
COMMISSION CLERK

undocketed

Re: Supplemental Ten-Year Site Plan Information

Dear Ms. Bayó:

Enclosed for filing are an original and fifteen copies of supplemental information requested by Staff regarding Florida Power Corporation's previously filed Ten-Year Site Plan as of December 31, 2001.

Please acknowledge your receipt of the above filing on the enclosed copy of this letter and return to the undersigned. Also enclosed is a 3.5 inch diskette containing the above-referenced document in Adobe Acrobat (PDF) format. Thank you for your assistance in this matter.

Very truly yours,

James A. McGee

JAM/scc
Enclosure

cc: Mr. Michael Haff

- AUS _____
- CAF _____
- CMP _____
- COM _____
- CTR _____
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FLORIDA POWER

SCHEDULE 9

STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES

AS OF JANUARY 1, 2002

- | | | |
|------|--|--|
| (1) | Plant Name and Unit Number: | HINES ENERGY COMPLEX UNIT #2 |
| (2) | Capacity | |
| | a. Summer: | 516 |
| | b. Winter: | 582 |
| (3) | Technology Type: | COMBINED CYCLE |
| (4) | Anticipated Construction Timing | |
| | a. Field construction start date: | 3/2002 |
| | b. Commercial in-service date: | 11/2003 (EXPECTED) |
| (5) | Fuel | |
| | a. Primary fuel: | NATURAL GAS |
| | b. Alternate fuel: | DISTILLATE FUEL OIL |
| (6) | Air Pollution Control Strategy: | DRY LOW NO _x COMBUSTION
with SELECTIVE CATALYTIC REDUCTION |
| (7) | Cooling Method: | COOLING PONDS |
| (8) | Total Site Area: | 8,200 ACRES |
| (9) | Construction Status: | REGULATORY APPROVAL RECEIVED |
| (10) | Certification Status: | SITE PERMITTED |
| (11) | Status with Federal Agencies: | SITE PERMITTED |
| (12) | Projected Unit Performance Data | |
| | a. Planned Outage Factor (POF): | 2.92 % |
| | b. Forced Outage Factor (FOF): | 3.50 % |
| | c. Equivalent Availability Factor (EAF): | 93.70 % |
| | d. Resulting Capacity Factor (%): | 50.00 % |
| | e. Average Net Operating Heat Rate (ANOHR): | 7,306 BTU/kWh |
| (13) | Projected Unit Financial Data | |
| | a. Book Life (Years): | 25 |
| | b. Total Installed Cost (In-service year \$/kW): | 340 |
| | c. Direct Construction Cost (\$/kW): | 301 |
| | d. AFUDC Amount (\$/kW): | 26 |
| | e. Escalation (\$/kW): | 13 |
| | f. Fixed O&M (\$/kW-yr): | 3.62 |
| | g. Variable O&M (\$/mWh): | 1.03 |
| | h. K Factor: | NO CALCULATION |

FLORIDA POWER

SCHEDULE 9

STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES

AS OF JANUARY 1, 2002

(1)	Plant Name and Unit Number:	INTERCESSION CITY P15
(2)	Capacity	
	a. Summer:	154
	b. Winter:	184
(3)	Technology Type:	COMBUSTION TURBINE
(4)	Anticipated Construction Timing	
	a. Field construction start date:	11/2003
	b. Commercial in-service date:	11/2004 (EXPECTED)
(5)	Fuel	
	a. Primary fuel:	NATURAL GAS
	b. Alternate fuel:	DISTILLATE FUEL OIL
(6)	Air Pollution Control Strategy:	DRY LOW NO _x COMBUSTION (NATURAL GAS) WATER INJECTION (DISTILLATE FUEL OIL)
(7)	Cooling Method:	AIR
(8)	Total Site Area:	162 ACRES
(9)	Construction Status:	PLANNED
(10)	Certification Status:	SITE PERMITTED
(11)	Status with Federal Agencies:	SITE PERMITTED
(12)	Projected Unit Performance Data	
	a. Planned Outage Factor (POF):	6.85 %
	b. Forced Outage Factor (FOF):	4.70 %
	c. Equivalent Availability Factor (EAF):	88.80 %
	d. Resulting Capacity Factor (%):	15.00 %
	e. Average Net Operating Heat Rate (ANOHR):	12,103 BTU/kWh
(13)	Projected Unit Financial Data	
	a. Book Life (Years):	25
	b. Total Installed Cost (In-service year \$/kW):	367
	c. Direct Construction Cost (\$/kW):	331
	d. AFUDC Amount (\$/kW):	24
	e. Escalation (\$/kW):	12
	f. Fixed O&M (\$/kW-yr):	2.52
	g. Variable O&M (\$/mWh):	11.96
	h. K Factor:	NO CALCULATION

FLORIDA POWER

SCHEDULE 9

STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES

AS OF JANUARY 1, 2002

(1)	Plant Name and Unit Number:	HINES ENERGY COMPLEX UNIT #3
(2)	Capacity	
	a. Summer:	516
	b. Winter:	582
(3)	Technology Type:	COMBINED CYCLE
(4)	Anticipated Construction Timing	
	a. Field construction start date:	3/2004
	b. Commercial in-service date:	11/2005 (EXPECTED)
(5)	Fuel	
	a. Primary fuel:	NATURAL GAS
	b. Alternate fuel:	DISTILLATE FUEL OIL
(6)	Air Pollution Control Strategy:	DRY LOW NO _x COMBUSTION with SELECTIVE CATALYTIC REDUCTION
(7)	Cooling Method:	COOLING PONDS
(8)	Total Site Area:	8,200 ACRES
(9)	Construction Status:	PLANNED
(10)	Certification Status:	SITE PERMITTED
(11)	Status with Federal Agencies:	SITE PERMITTED
(12)	Projected Unit Performance Data	
	a. Planned Outage Factor (POF):	5.75 %
	b. Forced Outage Factor (FOF):	3.00 %
	c. Equivalent Availability Factor (EAF):	91.40 %
	d. Resulting Capacity Factor (%):	50.00 %
	e. Average Net Operating Heat Rate (ANOHR):	7,306 BTU/kWh
(13)	Projected Unit Financial Data	
	a. Book Life (Years):	25
	b. Total Installed Cost (In-service year \$/kW):	457
	c. Direct Construction Cost (\$/kW):	389
	d. AFUDC Amount (\$/kW):	51
	e. Escalation (\$/kW):	17
	f. Fixed O&M (\$/kW-yr):	1.29
	g. Variable O&M (\$/mWh):	2.55
	h. K Factor:	NO CALCULATION

FLORIDA POWER

SCHEDULE 9

STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES

AS OF JANUARY 1, 2002

(1)	Plant Name and Unit Number:	HINES ENERGY COMPLEX UNIT #4
(2)	Capacity	
	a. Summer:	480
	b. Winter:	550
(3)	Technology Type:	COMBINED CYCLE
(4)	Anticipated Construction Timing	
	a. Field construction start date:	3/2006
	b. Commercial in-service date:	11/2007 (EXPECTED)
(5)	Fuel	
	a. Primary fuel:	NATURAL GAS
	b. Alternate fuel:	DISTILLATE FUEL OIL
(6)	Air Pollution Control Strategy:	DRY LOW NO _x COMBUSTION with SELECTIVE CATALYTIC REDUCTION
(7)	Cooling Method:	COOLING PONDS
(8)	Total Site Area:	8,200 ACRES
(9)	Construction Status:	PLANNED
(10)	Certification Status:	SITE PERMITTED
(11)	Status with Federal Agencies:	SITE PERMITTED
(12)	Projected Unit Performance Data	
	a. Planned Outage Factor (POF):	6.85 %
	b. Forced Outage Factor (FOF):	6.70 %
	c. Equivalent Availability Factor (EAF):	86.90 %
	d. Resulting Capacity Factor (%):	50.00 %
	e. Average Net Operating Heat Rate (ANOHR):	7,336 BTU/kWh
(13)	Projected Unit Financial Data	
	a. Book Life (Years):	25
	b. Total Installed Cost (In-service year \$/kW):	519
	c. Direct Construction Cost (\$/kW):	425
	d. AFUDC Amount (\$/kW):	58
	e. Escalation (\$/kW):	36
	f. Fixed O&M (\$/kW-yr):	3.31
	g. Variable O&M (\$/mWh):	2.31
	h. K Factor:	NO CALCULATION

FLORIDA POWER

SCHEDULE 9

STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES

AS OF JANUARY 1, 2002

(1)	Plant Name and Unit Number:	INTERCESSION CITY P16
(2)	Capacity	
	a. Summer:	154
	b. Winter:	184
(3)	Technology Type:	COMBUSTION TURBINE
(4)	Anticipated Construction Timing	
	a. Field construction start date:	11/2007
	b. Commercial in-service date:	11/2008 (EXPECTED)
(5)	Fuel	
	a. Primary fuel:	NATURAL GAS
	b. Alternate fuel:	DISTILLATE FUEL OIL
(6)	Air Pollution Control Strategy:	DRY LOW NO _x COMBUSTION (NATURAL GAS) WATER INJECTION (DISTILLATE FUEL OIL)
(7)	Cooling Method:	AIR
(8)	Total Site Area:	162 ACRES
(9)	Construction Status:	PLANNED
(10)	Certification Status:	SITE PERMITTED
(11)	Status with Federal Agencies:	SITE PERMITTED
(12)	Projected Unit Performance Data	
	a. Planned Outage Factor (POF):	6.85 %
	b. Forced Outage Factor (FOF):	4.70 %
	c. Equivalent Availability Factor (EAF):	88.80 %
	d. Resulting Capacity Factor (%):	15.00 %
	e. Average Net Operating Heat Rate (ANOHR):	12,103 BTU/kWh
(13)	Projected Unit Financial Data	
	a. Book Life (Years):	25
	b. Total Installed Cost (In-service year \$/kW):	397
	c. Direct Construction Cost (\$/kW):	331
	d. AFUDC Amount (\$/kW):	26
	e. Escalation (\$/kW):	40
	f. Fixed O&M (\$/kW-yr):	2.52
	g. Variable O&M (\$/mWh):	11.96
	h. K Factor:	NO CALCULATION

FLORIDA POWER

SCHEDULE 9

STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES

AS OF JANUARY 1, 2002

(1)	Plant Name and Unit Number:	HINES ENERGY COMPLEX UNIT #5
(2)	Capacity	
	a. Summer:	480
	b. Winter:	550
(3)	Technology Type:	COMBINED CYCLE
(4)	Anticipated Construction Timing	
	a. Field construction start date:	3/2008
	b. Commercial in-service date:	11/2009 (EXPECTED)
(5)	Fuel	
	a. Primary fuel:	NATURAL GAS
	b. Alternate fuel:	DISTILLATE FUEL OIL
(6)	Air Pollution Control Strategy:	DRY LOW NO _x COMBUSTION with SELECTIVE CATALYTIC REDUCTION
(7)	Cooling Method:	COOLING PONDS
(8)	Total Site Area:	8,200 ACRES
(9)	Construction Status:	PLANNED
(10)	Certification Status:	SITE PERMITTED
(11)	Status with Federal Agencies:	SITE PERMITTED
(12)	Projected Unit Performance Data	
	a. Planned Outage Factor (POF):	6.85 %
	b. Forced Outage Factor (FOF):	6.70 %
	c. Equivalent Availability Factor (EAF):	86.90 %
	d. Resulting Capacity Factor (%):	50.00 %
	e. Average Net Operating Heat Rate (ANOHR):	7,336 BTU/kWh
(13)	Projected Unit Financial Data	
	a. Book Life (Years):	25
	b. Total Installed Cost (In-service year \$/kW):	540
	c. Direct Construction Cost (\$/kW):	425
	d. AFUDC Amount (\$/kW):	60
	e. Escalation (\$/kW):	55
	f. Fixed O&M (\$/kW-yr):	3.31
	g. Variable O&M (\$/mWh):	2.31
	h. K Factor:	NO CALCULATION

FLORIDA POWER

SCHEDULE 9

STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES

AS OF JANUARY 1, 2002

(1)	Plant Name and Unit Number:	HINES ENERGY COMPLEX UNIT #6
(2)	Capacity	
	a. Summer:	480
	b. Winter:	550
(3)	Technology Type:	COMBINED CYCLE
(4)	Anticipated Construction Timing	
	a. Field construction start date:	3/2009
	b. Commercial in-service date:	11/2010 (EXPECTED)
(5)	Fuel	
	a. Primary fuel:	NATURAL GAS
	b. Alternate fuel:	DISTILLATE FUEL OIL
(6)	Air Pollution Control Strategy:	DRY LOW NO _x COMBUSTION with SELECTIVE CATALYTIC REDUCTION
(7)	Cooling Method:	COOLING PONDS
(8)	Total Site Area:	8,200 ACRES
(9)	Construction Status:	PLANNED
(10)	Certification Status:	SITE PERMITTED
(11)	Status with Federal Agencies:	SITE PERMITTED
(12)	Projected Unit Performance Data	
	a. Planned Outage Factor (POF):	6.85 %
	b. Forced Outage Factor (FOF):	6.70 %
	c. Equivalent Availability Factor (EAF):	86.90 %
	d. Resulting Capacity Factor (%):	50.00 %
	e. Average Net Operating Heat Rate (ANOHR):	7,336 BTU/kWh
(13)	Projected Unit Financial Data	
	a. Book Life (Years):	25
	b. Total Installed Cost (In-service year \$/kW):	551
	c. Direct Construction Cost (\$/kW):	425
	d. AFUDC Amount (\$/kW):	61
	e. Escalation (\$/kW):	65
	f. Fixed O&M (\$/kW-yr):	3.31
	g. Variable O&M (\$/mWh):	2.31
	h. K Factor:	NO CALCULATION